

ABSTRACT OF THE DISCLOSURE

A method of manufacturing a high-strength aluminum alloy extruded product which excels in corrosion resistance and
5 stress corrosion cracking resistance, and is suitably used in applications as structural materials for transportation equipment such as automobiles, railroad carriages, and aircrafts. The method includes extruding a billet of an aluminum alloy comprising 0.5% to 1.5% of Si, 0.9% to 1.6% of
10 Mg, 0.8% to 2.5% of Cu, while satisfying the following equations (1), (2), (3), and (4),

$$3 \leq \text{Si\%} + \text{Mg\%} + \text{Cu\%} \leq 4 \quad (1)$$

$$\text{Mg\%} \leq 1.7 \times \text{Si\%} \quad (2)$$

$$\text{Mg\%} + \text{Si\%} \leq 2.7 \quad (3)$$

$$15 \quad \text{Cu\%}/2 \leq \text{Mg\%} \leq (\text{Cu\%}/2) + 0.6 \quad (4)$$

and further comprising 0.5% to 1.2% of Mn, with the balance being Al and unavoidable impurities, into a solid product by using a solid die, or into a hollow product by using a porthole die or a bridge die, thereby obtaining the solid product or
20 the hollow product in which a fibrous structure accounts for 60% or more in area-fraction of the cross-sectional structure of the product.